



Shivtej Mane

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Date of birth: 30/09/2002 **Nationality**: Indian

ABOUT ME

I am Mr. Shivtej Mahadev Mane, a recent graduate with a B.Sc. degree in Nanoscience and Technology from Shivaji University, Kolhapur (2023). I am currently engaged in cutting-edge research, focusing on the synthesis and practical applications of various nanomaterials for supercapacitor and energy storage devices. My primary research interests revolve around electrochemistry such as energy storage and conversion devices. As I embark on my professional journey, I am eager to find challenging opportunities that allow me to apply my knowledge and skills to contribute to an organization's growth and success.

EDUCATION AND TRAINING

**Bachelor of
Science (Nanoscience and Technology)**

[2020 – 2023]

Shivaji university

Address: Shivaji University, 416004, Kolhapur, India **Final grade**: 73.26% (CGPA: 8.32).

[2019 – 2020]

Higher Secondary Certificate

Maharashtra State of Secondary and Higher Secondary Education

City: Pune

Country: India

Final grade: 73.23

[2017 – 2018]

Secondary School Certificate

Maharashtra State of Secondary and Higher Secondary Education

City: Pune

Country: India

Final grade: 86.26

INTEREST

Research Interest

- Material synthesis and characterizations
- Sensor (Humidity, Pressure, Biosensor, etc.)
- Supercapacitor
- Memristor and Neuromorphic Computing
- Renewable Energy Application
- Material Science

PERSONAL SKILLS

Technical Skills

- **Electronics:** I've good command of Basic Electronics and Electronical Instrumentation. I can Properly use Instruments like Sonicator (Ultrasonic cleaner), UV- Visible Spectrophotometer, Hot Air Oven, and Autoclave. I can Proficiently use Monitor Software like Gauge, and LT-spice in Power Electronics. I've good command of Units in Electronics.
- **Chemistry:** I've good command of Organic and Inorganic Chemistry. While in Laboratory I can Titrate Solutions wisely by knowing their Properties and Efficiency. I have good command and Lab Experience in Organic Synthesis, Catalysis. I'm Known to Major in the Basic Problems, Fundamental and Instrumental Properties, and Reactions in Chemistry.

Computer Skills

- I have learned some computer languages like **Python, C,C++** and **HTML** during some short-term and online Platform offering courses.
- I have a good command of **Microsoft Word**, and **Microsoft Excel** as I use Microsoft Office regularly.

Program-Related Skills

- I Encourage contact between students and faculty for active learning.
- I always try to impart moral values to make them good human beings.
- I am enthusiastic to gain knowledge of new emerging topics in the field of chemical sciences and curious about solving the existing problems.
- I do have prior knowledge of many instruments used in the lab.

INSTRUMENT & SOFT- WARE HANDLING EX-

PERIENCE

Instruments Handling

- Electrochemical workstation (Biologic, EC-lab).
- Keithley 2602B SMU.
- UV-Vis Spectrophotometer (Spectrum).
- Spray Pyrolysis Equipment (HOLMARC, HO-TH-04).
- Electrospinning Equipment (HOLMARC, HO-NFES-040).
- Contact angle measurement.
- Spin Coating, Dip Coating, Microwave, Autoclave, Centrifuge, Hot Air Oven, Muffle Furnace, Microwave, Probe Sonicator, etc.

Software Handling

- Origin 2018.
- MS-Office.
- ImageJ.
- Chemdraw
- Python
- C & C++

EXTRACURRICULAR ACTIVITIES

Academic Activities

- Certified with participation in the one-day Symposium on Emerging role of Radiation in Nanotechnology to Translation Research organized by Indian society for Radiation and Photochemical Science (ISRAPS) and School of nanoscience and Technology, Shivaji university Kolhapur. November 2022.

- Certified with participation in the 1st Module of Webinar Series on Nanoscience and Nanotechnology organized by School of Technology, Pandit Deendayal Petroleum University, Gandhinagar, India.
- Certified with Participation in One Day 2nd Management Development Program (MDP) on " Innovation in Nanoscience and Nanotechnology for Industrial Application"(2022)

Other Activities

- 1st prize in youth festival Photography Competition Organized by gov. of Maharashtra, India.
- Participation in International year of Millets 2023 FSSAI Photography Competition, India.
- Participation in International year of Millets 2023 FSSAI Poster Making Competition, India.

RECOMMENDATIONS

Dr. P. J. Patil

Assistant Professor, School of Nanoscience and Technology, Shivaji University, Kolhapur.

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